

030255WO

PATENT CLAIMS

1. Planar, rolled semi-finished product made of aluminum alloys, wherein the aluminum alloys have the following alloy proportions in weight-%:

2 ≤ Mg ≤ 5  
Mn ≤ 0.5  
Cr ≤ 0.35  
Si ≤ 0.4  
Fe ≤ 0.4  
Cu ≤ 0.3  
Zn ≤ 0.3  
Ti ≤ 0.15

others at a sum of a maximum of 0.15, individually at a maximum of 0.05, residual Al,

wherein the semi-finished product has been rolled off of an ingot (4), and during the rolling process has been subjected to at least one intermediate soft annealing between two cold roll passes and one final soft annealing, each in a batch furnace (7, 9), characterized in that the degree of deformation before the first intermediate soft annealing is at least 50%, and before the final soft annealing not more than 30%, and that the semi-finished product has been stretch-formed by 0.1 to 0.5% after the final soft annealing.

2. The planar, rolled semi-finished product according to claim 1, characterized in that the semi-finished

product has been stretch-formed by 0.2 to 0.5% after the final soft annealing.

3. The planar, rolled semi-finished product according to claims 1 or 2, characterized in that the semi-finished product has a coating that has been applied in retrospect using the coil coating process.
4. A method for the production of a planar, rolled semi-finished product made of aluminum alloys, wherein the aluminum alloys have the following alloy proportions in weight-%:

$$2 \leq \text{Mg} \leq 5$$

$$\text{Mn} \leq 0.5$$

$$\text{Cr} \leq 0.35$$

$$\text{Si} \leq 0.4$$

$$\text{Fe} \leq 0.4$$

$$\text{Cu} \leq 0.3$$

$$\text{Zn} \leq 0.3$$

$$\text{Ti} \leq 0.15$$

others at a sum of a maximum of 0.15, individually at a maximum of 0.05, residual Al,

wherein the semi-finished product is rolled off of an ingot (4), and during the rolling process is subjected to at least one intermediate soft annealing between two cold roll passes and one final soft annealing, each in a batch furnace (7, 9), characterized in that the degree of deformation before the first intermediate soft annealing is at least 50%, and before the final soft annealing not more than 30%, and that the semi-finished product is

stretch-formed by 0.1 to 0.5% after the final soft annealing.